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**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

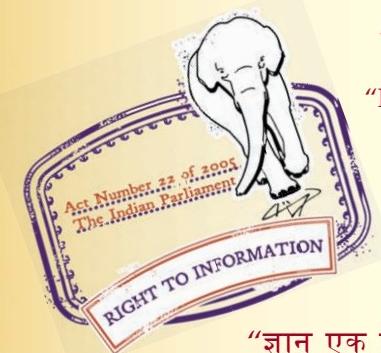
“Step Out From the Old to the New”

IS 8886-14 (1980): Ships' Ordinary Rectangular Windows,  
Part XIV: Details of Frame, Non-opening, Light Type Welded  
Windows [TED 17: Shipbuilding]

**“ज्ञान से एक नये भारत का निर्माण”**

Satyanaaran Gangaram Pitroda

“Invent a New India Using Knowledge”



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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## SPECIFICATION FOR SHIPS' ORDINARY RECTANGULAR WINDOWS

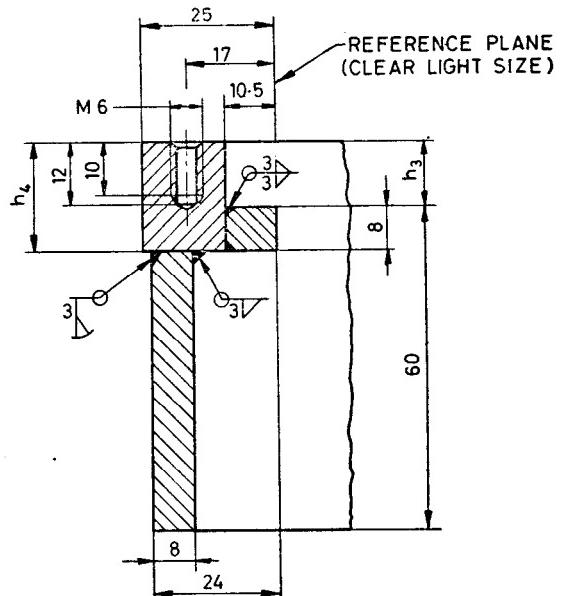
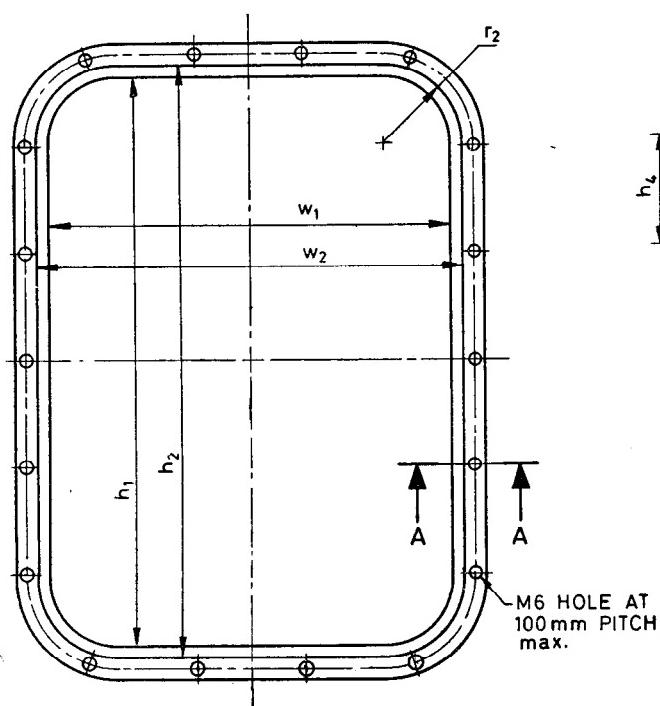
### PART XIV DETAILS OF FRAME, NON-OPENING, LIGHT TYPE WELDED WINDOWS

1. **Scope** — Specifies the dimensions of frame for non-opening, light type welded windows.
2. **Terminology** — For the purpose of this standard, the terms and definitions given in IS : 8886 (Part I)-1978 'Specification for ships' ordinary rectangular windows: Part I Types and dimensions' shall apply.
3. **Material** — The material used for the construction of frame shall be according to IS : 8886 (Part II)-1978 'Specification for ships' ordinary rectangular windows: Part II General requirements'.
4. **Dimensions** — The dimensions of frame shall be as given in Table 1. For main dimensions of window, see IS : 8886 (Part I)-1978.
5. **Tolerances** — The tolerances on dimensions shall conform to coarse series of IS : 2102-1969 'Allowable deviations for dimensions without specified tolerances (*first revision*)' except on those dimensions indicated in Table 1.



**TABLE 1 DIMENSIONS OF FRAME FOR LIGHT TYPE NON-OPENING, WELDED WINDOW**( *Clauses 4 and 5* )

All dimensions in millimetres.



ENLARGED SECTION AA

Window No.	Nominal Size $w_1 \times h_1$	$w_2 \times h_2$	$r_2$	$h_3$	$h_4$
1	300 × 425	321 × 446	60·5	11	19
2	355 × 500	376 × 521	60·5	11	19
3	400 × 560	421 × 581	50·5	11	19
4	450 × 630	471 × 651	110·5	11	19
5	500 × 710	521 × 731	110·5	13	21
6	560 × 800	581 × 821	110·5	13	21
7	900 × 630	921 × 651	110·5	15	23
8	1 000 × 710	1 021 × 731	110·5	15	23
9	1 100 × 800	1 121 × 821	110·5	18	26

## EXPLANATORY NOTE

This standard is one of a series of Indian Standards on ships' rectangular windows. Other standards in the series are:

Part I Types and dimensions

Part II General requirements

Part III Positioning

Part IV Details of position of lugs for hinges and swing bolts and securing holes on the frame

Part V Details of frame, inward opening, side hinged, heavy type bolted windows

Part VI Details of frame, inward opening, side hinged, light type bolted windows

Part VII Details of frame, inward opening, side hinged, heavy and light type welded windows

Part VIII Details of frame, inward opening, top hinged, heavy type bolted windows

Part IX Details of frame, inward opening, top hinged, light type bolted windows

Part X Details of frame, inward opening, top hinged, heavy and light type welded windows

Part XI Details of frame, non-opening, heavy type bolted windows

Part XII Details of frame, non-opening, light type bolted windows

Part XIII Details of frame, non-opening, heavy type welded windows

Part XIV Details of frame, non-opening, light type welded windows

Part XV Details of frame, outward opening, side hinged, heavy type bolted windows

Part XVI Details of frame, outward opening, side hinged, light type bolted windows

Part XVII Details of frame, outward opening, side hinged, heavy and light type welded windows

Part XVIII Details of glass holder, inward opening, side hinged, heavy and light type bolted and welded windows

Part XIX Details of glass holder, outward opening, side hinged, heavy and light type bolted and welded windows

Part XX Details of glass holder, top hinged, heavy and light type bolted and welded windows

Part XXI Details of hinge pin

Part XXII Details of swing bolts and wing nuts

In the preparation of this standard assistance has been derived from the following:

ISO 3903-1977 Shipbuilding — Ships' ordinary rectangular windows. International Organization for Standardization ( ISO )

DIN 81650-1967 Rectangular windows for ships, directives for construction. Deutsches Institut für Normung.